

IN THE CLAIMS

What is claimed is:

- 1 1. A method of production for synthetic building material, comprising:
 - 2 A) providing a filler material of proportions of 65% - 90% of overall composition;
 - 3 B) adding thermoplastic resin of proportions of 10% - 35% of overall composition; and
 - 4 C) adding a processing stabilizer/lubricant;
 - 5 D) extruding said material into building shapes.
- 1 2. The method of claim 1, wherein:
 - 2 said processing stabilizer/lubricant is chosen from a group consisting of metallic stearate,
 - 3 hydrocarbons, fatty acids, esters, amides fluoropolymers, silicones, and boron nitride.
- 1 3. The method of claim 1, wherein:
 - 2 said processing stabilizer/lubricant makes up 0.5-4.0% of the overall composition.
- 1 4. The method of claim 1, wherein:
 - 2 said filler material is mineral filler.
- 1 5. The method of claim 4, wherein:
 - 2 said mineral filler is chosen from a group consisting of limestone, dolomite, talc, silica
 - 3 and flyash.
- 1 6. The method of claim 1, wherein:
 - 2 said thermoplastic resin is recycled thermoplastic resin .
- 1 7. The method of claim 1, wherein:
 - 2 said thermoplastic resin is virgin thermoplastic resin .

- 1 8. The method of claim 1, wherein:
2 said thermoplastic resin is chosen from a group consisting of polyethylene (PE),
3 polypropylene, and poly vinyl chloride (PVC).
- 1 9. The method of claim 1, wherein B further comprises:
2 adding desiccant/ moisture absorbent.
- 1 10. The method of claim 9, wherein:
2 said desiccant/ moisture absorbent is a metallic oxide.
- 1 11. The method of claim 10, wherein:
2 said desiccant/ moisture absorbent is chosen from a group consisting of calcium oxide
3 and magnesium oxide.
- 1 12. The method of claim 1, wherein:
2 said synthetic building material is shaped into panels for roofing.
- 1 13. The method of claim 1, wherein:
2 said synthetic building material is shaped into panels for siding.
- 1 14. The method of claim 1, wherein D further comprises:
2 forming said material into pieces having the appearance of cedar shakes, including
3 embossing a texture into surfaces.
- 1 15. The method of claim 1, wherein D further comprises:
2 forming said material into pieces having the appearance of cedar shingles, including
3 embossing a texture into surfaces.
- 1 16. The method of claim 1, wherein D further comprises:
2 forming said material into pieces having the appearance of terra cotta tiles, including
3 embossing a texture into surfaces.

- 1 17. A formulation for synthetic building material comprising:
2 filler material of proportions of 65% - 90% of overall composition;
3 thermoplastic resin of proportions of 10% - 35% of overall composition; and a processing
4 stabilizer/lubricant.
- 1 18. The formulation for synthetic building material of claim 17, wherein:
2 said processing stabilizer/lubricant is chosen from a group consisting of metallic stearate,
3 hydrocarbons, fatty acids, esters, amides fluoropolymers, silicones, and boron nitride.
- 1 19. The formulation for synthetic building material of claim 17, wherein:
2 said processing stabilizer/lubricant makes up 0.5-4.0% of the overall composition.
- 1 20. The formulation for synthetic building material of claim 17, wherein:
2 said filler material is mineral filler.
- 1 21. The formulation for synthetic building material of claim 17, wherein:
2 said mineral filler is chosen from a group consisting of limestone, dolomite, talc, silica
3 and flyash.
- 1 22. The formulation for synthetic building material of claim 17, wherein:
2 said thermoplastic resin is recycled thermoplastic resin.
- 1 23. The formulation for synthetic building material of claim 17, wherein:
2 said thermoplastic resin is virgin thermoplastic resin.
- 1 24. The formulation for synthetic building material of claim 17, wherein:
2 said thermoplastic resin is chosen from a group consisting of polyethylene (PE),
3 polypropylene and poly vinyl chloride (PVC).
- 1 25. The formulation for synthetic building material of claim 17, further comprising:
2 desiccant/ moisture absorbent.

- 1 26. The formulation for synthetic building material of claim 25, wherein:
2 said desiccant/ moisture absorbent is a metallic oxide.
- 1 27. The formulation for synthetic building material of claim 26, wherein:
2 said desiccant/ moisture absorbent is chosen from a group consisting of calcium oxide
3 and magnesium oxide.
- 1 28. The formulation for synthetic building material of claim 17, further comprising:
2 additives chosen from the group consisting of antioxidant, UV stabilizer, flame retardant,
3 wax, and inorganic color pigments.
- 1 29. A synthetic building material formulated for commercial extrusion processing, said
2 material comprising:
3 filler material of proportions of 65% - 90% of overall composition;
4 thermoplastic resin of proportions of 10% - 35% of overall composition; and
5 processing stabilizer/lubricant which is chosen from a group consisting of metallic
6 stearate, hydrocarbons, fatty acids, esters, amides fluoropolymers, silicones, and boron nitride.
- 1 30. The synthetic building material of claim 29, wherein:
2 said processing stabilizer/lubricant makes up 0.5-4.0% of the overall composition.
- 1 31. The synthetic building material of claim 29, wherein:
2 said filler material is mineral filler which is chosen from a group consisting of limestone,
3 dolomite, talc, silica and flyash.
- 1 32. The synthetic building material of claim 29, wherein:
2 said thermoplastic resin is recycled thermoplastic resin
- 1 33. The synthetic building material of claim 29, wherein:
2 said thermoplastic resin is virgin thermoplastic resin

- 1 34. The synthetic building material of claim 29, wherein:
2 said recycled thermoplastic resin is chosen from a group consisting of polyethylene (PE),
3 polypropylene and poly vinyl chloride (PVC).
- 1 35. The synthetic building material of claim 29, further comprising:
2 desiccant/ moisture absorbent which is chosen from a group consisting of calcium oxide
3 and magnesium oxide.
- 1 36. The synthetic building material of claim 29, further comprising:
2 additives chosen from the group consisting of antioxidant, UV stabilizer, flame retardant,
3 wax, and inorganic color pigments.
- 1 37. The synthetic building material of claim 29, wherein:
2 said synthetic building material is shaped into panels for roofing.
- 1 38. The synthetic building material of claim 29, wherein:
2 said synthetic building material is shaped into panels for siding.
- 1 39. The synthetic building material of claim 29, wherein:
2 said material is formed into pieces having the appearance of cedar shakes, including
3 embossing a texture into surfaces.
- 1 40. The synthetic building material of claim 29, wherein:
2 said material is formed into pieces having the appearance of cedar shingles, including
3 embossing a texture into surfaces.
- 1 41. The synthetic building material of claim 29, wherein:
2 said material is formed into pieces having the appearance of terra cotta tiles, including
3 embossing a texture into surfaces.